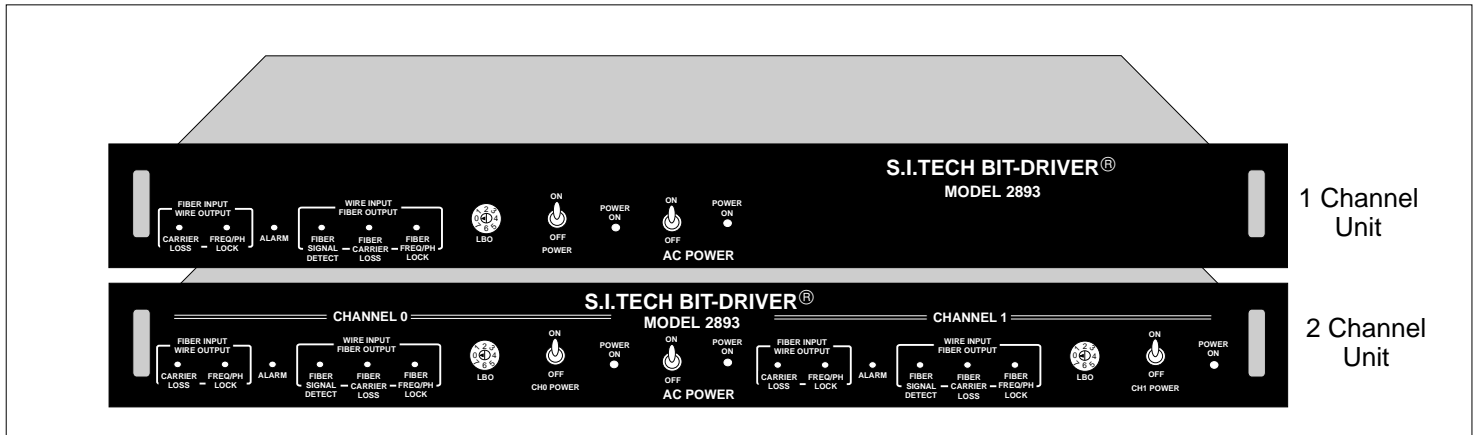


Model 2893 (T3) / 2894 (E3) / 2895 (STS-1 or OC-1) **S.I.TECH**

T3/E3/STS1 to Fiber Bit-Driver[®]



Specifications:

Operation Mode: Synchronous, half/full duplex
 44.736 Mbps, T3
 34.368 Mbps, E3 (G.703)
 51.84 Mbps, STS-1 (OC-1)

Input/Output Interface: T3, 75 ohm Coax (BNC)
 E3, 75 ohm Coax (BNC)

Transmission Line Interface: 2 ST fiber optic receptacles

Connector Options: ST, SC, and FC

Transmission Distance: 6600 ft. (2km)

Distance Options: 5 km, 10 km, and single-mode

Transmitter Output Power: 30 Microwatts into 50 Micron fiber (SM option)

System Wavelength: 820nm or 1300nm

Minimum Sensitivity: 3 Microwatts @ 820 nanometers

Bit Error Rate: 10⁻⁹

Operating Temperature: 0 °C to 50 °C

1U Rack: 17.0"W X 1.7"H X 7.5"D
 (43.2 X 4.3 X 19.0 CM)

Weight: Rack 6 lb.(2.72kg)

Input Power: 110 VAC, 60 Hz, 10W

Power Options: 2893/2894V(230 VAC)
 2893/2894 (-48 VDC)

Features:

- T3, E3, or STS-1 (OC-1)
- Status indicators & alarms for ease of use and maintenance
- Multimode or single mode fiber option
- Up to 25 km at low cost
- Optical link failure alarm built in

S.I.Tech 2893/2894/2895 Bit-Driver is designed to work with T3, E3, or STS-1 systems. Model 2893/2894/2895 is a T3, E3, or STS-1 to fiber optic transmitter/receiver full duplex product implementing T3, E3, or STS-1 protocol. Normal operating data rate for T3 is 44.736 Mbps. (E3 - 34.368 Mbps, STS1 - 51.84 Mbps)

This fiber optic Bit-Driver product eliminates many disadvantages of T3, E3, or STS-1 especially EMI/RFI, ground loops (electrical isolation with fiber), high attenuation (high signal loss), limiting distance between nodes of system, and potential lightning damage outdoors between buildings.

S.I.Tech Model 2893/2894/2895 is a rack mounted product allowing easy change from T3, E3, or STS-1 to fiber. Simply disconnect T3, E3, or STS-1 cable and connect to model 2893/2894/2895 input/output port. Model 2893/2894/2895 comes with power supply and status indicators.

ORDERING INFORMATION

Model Numbers

2893(T-3), 2894(E-3), 2895(STS-1 or OC-1) units available with several options.
 XXXX - R - ST Rack mounted, 110 VAC, ST
 XXXX - 2R - ST 2 Channel Rack Mounted, 110 VAC, ST
 XXXX - R - SM - SC Rack mounted, Single mode, SC, 110 VAC
 XXXX - V 220 Volt AC Power unit
 XXXX - 48 48 VDC Power unit
 XXXX - R - SM - HP - SC Rack mounted, Single mode, High power, 110 VAC, SC
 XXXX/850/1300 Unit for use with WDM

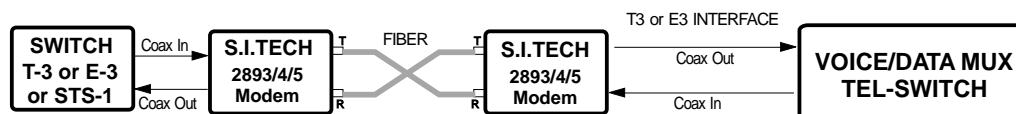
S.I.Tech supplies 2893/2894/2895 models with many different options to match customer specific applications. Specify correct part number for your application.

Operating Distance for Fiber Optic Cable

Fiber Size (Microns)	Attenuation dB/km	Distance* Meters	Distance* Feet
50	3.0	2000	6600
62.5	4.0	2000	6600
10 SM	1.0	10000	33000

* Single mode (1300nm or 1550nm) option
 (High power option available for long distances)

TYPICAL APPLICATION



UL & CSA listed. Meets FCC requirements of Class A, Part 15 Computing Devices Standard.

Specifications subject to change without notice.